

CARDINAL VILLAGE

Upshur Taylor 5021 Holland Road New Church, VA 23415 Phone (757) 824-5989 (FAY) Cell (757) 894-1999

October 3, 2014

Mr. Robert E. Smithson, Jr. Environmental Engineer Sr. Dept. of Environmental Quality Tidewater Regional Office 5636 Southern Blvd. Virginia Beach, VA 23462

RECEIVED - DEQ

OCT 0 8 2014

Tidewater Regional Office

RE: Cardinal Village - VPDES Permit No. VA0065196 Completion of Items Needed for Permit Application

Dear Mr. Smithson:

Attached you will find the items completed that were needed to complete my application for Cardinal Village - VPDES Permit No. VA0065196

Pg. 2, A.6 - completed
Pg. 2, A-12 - completed

Signature page is initialed and redated

Sewage Sludge Application Form - enclosure #2 Part I. item #1 - completed

Addendum Application Form -enclosure #3

Item #5 - completed
Item #9 - completed

<u>Closure Plan - enclosure #4</u> The Closure Plan is current and correct. Additionally, I am sending you a copy of the letter I received from DEQ requesting an increase in the financial assurance and a confirmation from PNC that the increase has been taken care of. (enclosure #5).

If there are any other questions or information needed please contact me at 757-894-1999.

Sincerely,

Úpshur J. Taylor

Owner, Cardinal Village

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA 0065196

FORM 2A

NPDES

NPDES FORM 2A APPLICATION OVERVIEW

APPLICATION OVERVIEW

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- Basic Application Information for all Applicants. All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd. All treatment works that have design B. flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C.

SUPPLEMENTAL APPLICATION INFORMATION:

Certification. All applicants must complete Part C (Cerumous).

PLEMENTAL APPLICATION INFORMATION:

Expanded Effluent Testing Data. A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):

1. Has a design flow rate greater than or equal to 1 mgd,

SEP DEQ TIGEWAY.

- 3. Is otherwise required by the permitting authority to provide the information.

 Toxicity Testing Data. A treatment works that meets one or more of the following criteria must complete Part Exposicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- Industrial User Discharges and RCRA/CERCLA Wastes. A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - a. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- Combined Sewer Systems. A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

FACILITY NAME AND PERMIT NUMBER: Carolinal Village
VPDES Permit No. VA 0065196

Form Approved 1/14/99 OMB Number 2040-0086

BASIC APPLICATION INFORMATION PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS: All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet. A.1. Facility Information. Facility name Mailing Address Contact person Title Telephone number **Facility Address** (not P.O. Box) A.2. Applicant Information. If the applicant is different from the above, provide the following: Applicant name Mailing Address Contact person Title Telephone number Is the applicant the owner or operator (or both) of the treatment works? operator Indicate whether correspondence regarding this permit should be directed to the facility or the applicant. facility applicant A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits). **NPDES PSD** UIC **RCRA** Other A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.). **Population Served** Type of Collection System Total population served

FACILITY NAME AND PERMIT NUMBER: Caydinal Village Form Approved 1/14/99 OMB Number 2040-0086 mit No. VA 0065196 A.5. Indian Country. a. Is the treatment works located in Indian Country? Yes b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country? Yes A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal. a. Design flow rate _____ do @ mgd Two Years Ago This Year Annual average daily flow rate Maximum daily flow rate A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each. Separate sanitary sewer Combined storm and sanitary sewer A.8. Discharges and Other Disposal Methods. a. Does the treatment works discharge effluent to waters of the U.S.? If yes, list how many of each of the following types of discharge points the treatment works uses: Discharges of treated effluent ii. Discharges of untreated or partially treated effluent iii. Combined sewer overflow points Constructed emergency overflows (prior to the headworks) Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.? If yes, provide the following for each surface impoundment: Location: Annual average daily yolume discharged to surface impoundment(s) intermittent? Is discharge continuous or Does the treatment works land-apply treated wastewater? Yes If yes, provide the following for each land application site: Location: Number of acres: Annual average daily volume applied to site: Is land application intermittent? continuous or Does the treatment works discharge or transport treated or untreated wastewater to another treatment works?

Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA0065196

or yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe).
If transport is by a party other than the applicant, provide:
Transporter name:
Mailing Address:
Contact person:
Title:
Telephone number:
For each treatment works that receives this discharge, provide the following:
Name:
Mailing Address:
Contact person:
Title:
Telephone number:
If known, provide the NPDES permit number of the treatment works that receives this discharge.
Provide the average daily flow rate from the treatment works into the receiving facility mgd
Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)? Yes No
If yes, provide the following for each disposal method:
Description of method (including location and size of site(s) if applicable):
Annual daily volume disposed of by this method:
Is disposal through this method continuous or intermittent?

FACILITY NAME AND PERMIT NUMBER: COUNDINATION VILLAGE VPDES Permit No. VA0065196

Form Approved 1/14/99 OMB Number 2040-0086

WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

9. D	Description of Outfall.	
а	. Outfall number	
b	Location New Charab	
	(City or town, if applicable)	VA 23415 (Zip Code)
	Accomack (County)	Virginia
	Dea 37 min 5	7 sec 15 Deg 75 min 32 sec 30
	(Latitude)	(Longitude)
C.	. Distance from shore (if applicable)	N/A ft.
d.	. Depth below surface (if applicable)	N/Aft.
e.	. Average daily flow rate	mgd
f.	Does this outfall have either an intermittent or a	
•-	periodic discharge?	
		Yes No (go to A.9.g.)
	If yes, provide the following information:	
	Number of times per year discharge occurs:	365 days (daily)
	Average duration of each discharge:	_all day
	Average flow per discharge:	1500 gallons perdayment
	Months in which discharge occurs:	11112 months
		<u>an ia menina</u>
g.	Is outfall equipped with a diffuser?	Yes No
0. D	escription of Receiving Waters.	
	1	A
a.	Name of receiving water <u>Unamed C</u>	Aitch to Tunnells Mill to Bull beggar Creek
b.	Name of watershed (if known)	to Chesapeake Bay
	I inited Chatan Call Companyation Company 4.4 digitary	11/1
	United States Soil Conservation Service 14-digit wa	rtershed code (if known):
C.	Name of State Management/River Basin (if known):	. LIA
	ramo or otato managomonaravor baom in anomy.	N/A
	United States Geological Survey 8-digit hydrologic o	cataloging unit code (if known):
d.		
	acute cfs N/A	chronic cfs w (if applicable):N/A mg/l of CaCO ₃
e.	Total hardness of receiving stream at critical low flor	w (if applicable): N/A mg/l of CaCO ₃
		· · · · · · · · · · · · · · · · · · ·

A.11. Description of Treatment. a. What levels of treatment are provided? Check all that apply. Primary Other. Describe: Advanced b. Indicate the following removal rates (as applicable): Design BOD, removal or Design CBOD, removal Design SS removal Design P removal Design N removal What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe. orination No If disinfection is by chlorination, is dechlorination used for this outfall? No d. Does the treatment plant have post aeration? A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart. Outfall number: AVERAGE DAILY VALUE MAXIMUM DAILY VALUE PARAMETER Value Units Number of Samples Units Value s.u. pH (Minimum) s.u. pH (Maximum) Flow Rate Temperature (Winter) Temperature (Summer) * For pH please report a minimum and a maximum daily value **MAXIMUM DAILY** ML/MDL ANALYTICAL **AVERAGE DAILY DISCHARGE** POLLUTANT DISCHARGE METHOD Number of Units Conc Units Conc. Samples CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS. BIOCHEMICAL OXYGEN BOD-5 CBOD-5 **DEMAND** (Report one) FECAL COLIFORM TOTAL SUSPENDED SOLIDS (TSS) END OF PART A. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM **2A YOU MUST COMPLETE**

FACILITY NAME AND PERMIT NUMBER: CATOLINAL VIllage

FACILITY NAME AND PERMIT NUMBER: Carolinal Village Form Approved 1/14/99 OMB Number 2040-0086 PDES Permit No. VA0065196 BASIC APPLICATION INFORMATION ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR PART B. EQUAL TO 0.1 MGD (100,000 gallons per day). All applicants with a design flow rate ≥ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification). B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration. Briefly explain any steps underway or planned to minimize inflow and infiltration. B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.) a. The area surrounding the treatment plant, including all unit processes. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable. Each well where wastewater from the treatment plant is injected underground. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g., chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram. B.4. Operation/Maintenance Performed by Contractor(s). Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a Yes V_No If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary). Name: Mailing Address: Telephone Number: Responsibilities of Contractor: B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.) List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

FACILITY NAME AND PERMIT NUMBER:	: Cardinal Village
VANES Demit No. VA	10065196

1 LDC2 LGW							
c If the answer to	B.5.b is "Yes," brief				rate (if applicable	e). 	
applicable, For	nposed by any comp improvements plant cate dates as accur	ned independent	ly of local, State	ates of completion, or Federal age	on for the implem encies, indicate p	entation steps listed blanned or actual comp	pelow, as pletion dates, as
• •		Schedule	А	ctual Completio	n		
Implementation	Stage	MM / DD / Y	YYYY M	M/DD/YYYY			
- Begin constru	-						
- End construc						N / /	
– Begin discha		//_				IN/M	
– Attain operat	_			1 1		/	
- Attain operat	onal level						
e. Have appropria	te permits/clearance	s concerning oth	ner Federal/Stat	e requirements	been obtained?	Yes	_No
Describe briefly	<i>:</i>		·				

anikaryynysystäväsinynystyvässäännessa suomaanikaryynistä siinen ävendimistää siin seensa elistentiit	antikulan dari mengelak di kanan di iban kemili mengelak mengelah di iban dari kelak mengelak mengelak mengela	egyppysjantocomopied zamoco eserce film nich koministrativi (1740-1841).	and the state of t	NACONA DE PROPERTO		and and the state of the state	ngang pengangan pangangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan penga Pengang pengangan pe
	O DATA (ODEATE	THANAIMG	וא ואס מ				
Applicants that disc testing required by overflows in this se	charge to waters of the permitting authoriting. All informations	ne US must provi rity <u>for each outfa</u> n reported must I	ide effluent testi all through whic be based on dat Creguirements	n effluent is disc a collected thro of 40 CFR Part	<u>:narged.</u> Do not ugh analysis con 136 and other ap	ters. Provide the indi- include information on ducted using 40 CFR propriate QA/QC requ	Part 136 lirements for
Applicants that disc testing required by overflows in this se methods. In additi standard methods	charge to waters of the permitting authoriting. All informations	ne US must provi rity <u>for each outfa</u> n reported must I mply with QA/QC ressed by 40 CFf	ide effluent testi all through whic be based on da C requirements R Part 136. At a -half years old.	a collected thro of 40 CFR Part in minimum, efflu	<u>marged.</u> Do not ugh analysis con 136 and other ap ent testing data i	include information of	Part 136 lirements for
Applicants that dis- testing required by overflows in this se methods. In additi- standard methods pollutant scans and	charge to waters of the permitting authoction. All information, this data must cofor analytes not addright must be no more the MAXIML	ne US must provinity for each outfain reported must be made in the market of the must be market of the must be	ide effluent testi all through whic be based on da C requirements R Part 136. At a -half years old.	n effluent is disc a collected thro of 40 CFR Part	<u>marged.</u> Do not ugh analysis con 136 and other ap ent testing data i	ducted using 40 CFR propriate QA/QC regu	Part 136 lirements for
Applicants that disc testing required by overflows in this se methods. In additi standard methods pollutant scans and Outfall Number:	charge to waters of the permitting authoction. All information, this data must cofor analytes not addright must be no more the MAXIML	ne US must provi rity <u>for each outfa</u> n reported must I mply with QA/QC essed by 40 CFf an four and one-	ide effluent testi all through whic be based on da C requirements R Part 136. At a -half years old.	a collected thro of 40 CFR Part in minimum, efflu	<u>marged.</u> Do not ugh analysis con 136 and other ap ent testing data i	ducted using 40 CFR propriate QA/QC regu	Part 136 lirements for
Applicants that dist testing required by overflows in this semethods. In additistandard methods pollutant scans and Outfall Number:	charge to waters of the permitting authorition. All information on, this data must cofor analytes not additionally the more the MAXIMU DISCH	ne US must provinity for each outfine reported must be made and the man four and one units. IM DAILY HARGE Units	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that disc testing required by overflows in this so methods. In additistandard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND N	charge to waters of the permitting authorition. All information on, this data must cofor analytes not additionally the more the MAXIMU DISCH	ne US must provinity for each outfine reported must be made and the man four and one units. IM DAILY HARGE Units	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that dist testing required by overflows in this se methods. In additistandard methods pollutant scans and Outfall Number:	charge to waters of the permitting authorition. All information on, this data must cofor analytes not additionally the more the MAXIMU DISCH	ne US must provinity for each outfine reported must be made and the man four and one units. IM DAILY HARGE Units	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that disc testing required by overflows in this se methods. In additional standard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC)	charge to waters of the permitting authorition. All information on, this data must cofor analytes not additionally the more the MAXIMU DISCH	ne US must provinity for each outfine reported must be made and the man four and one units. IM DAILY HARGE Units	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that disc testing required by overflows in this se methods. In additional standard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) DISSOLVED OXYGEN	charge to waters of the permitting authorition. All information on, this data must cofor analytes not additionally the more the MAXIMU DISCH	ne US must provinity for each outfine reported must be made and the man four and one units. IM DAILY HARGE Units	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that disc testing required by overflows in this se methods. In additistandard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) DISSOLVED OXYGEN TOTAL KJELDAHL NITROGEN (TKN)	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinity for each outfine reported must be made and the man four and one units. IM DAILY HARGE Units	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 sirements for east three
Applicants that disc testing required by overflows in this se methods. In additistandard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) DISSOLVED OXYGEN TOTAL KJELDAHL NITROGEN (TKN)	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinty for each outfing reported must be made and the most of the	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that disc testing required by overflows in this se methods. In additional standard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) DISSOLVED OXYGEN OTAL KJELDAHL HITROGEN (TKN) HITRATE PLUS NITRITE	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinty for each outfing reported must be made and the most of the	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 sirements for east three
Applicants that dist testing required by overflows in this se methods. In additistandard methods pollutant scans and Outfall Number:	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinty for each outfing reported must be made and the most of the	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 sirements for east three
Applicants that disc testing required by overflows in this se methods. In additional standard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) DISSOLVED OXYGEN FOTAL KJELDAHL MITROGEN (TKN) MITRATE PLUS NITRITE MITROGEN DIL and GREASE PHOSPHORUS (Total)	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinty for each outfing reported must be made and the most of the	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three
Applicants that disc testing required by overflows in this se methods. In additional standard methods pollutant scans and Outfall Number: POLLUTANT CONVENTIONAL AND NAMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) DISSOLVED OXYGEN FOTAL KJELDAHL MITROGEN (TKN) MITRATE PLUS NITRITE MITROGEN DIL and GREASE PHOSPHORUS (Total)	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinty for each outfing reported must be made and the most of the	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 sirements for east three
testing required by overflows in this se methods. In additi standard methods pollutant scans and Outfall Number:	charge to waters of the permitting authorction. All information on, this data must cofor analytes not addit must be no more the MAXIML DISCH Conc.	ne US must provinty for each outfing reported must be made and the most of the	ide effluent testi all through whice be based on date C requirements R Part 136. At a half years old. AVERA	n effluent is disc a collected thro of 40 CFR Part a minimum, effluence GE DAILY DISC	charged. Do not ugh analysis con 136 and other ap ent testing data	ANALYTICAL	Part 136 uirements for east three

uniquements de la constitución por extensional empleores constitución productivos de la constitución de la c	anni anti di Santa da Santa d	Form Approved 1/14/99			
FACILITY NAME AND PERMIT NUMBER: CAKOLI	narvinue	OMB Number 2040-0086			
VPDES Permit No. VAOO	<u>65196</u>				
BASIC APPLICATION INFORMATI	OW				
PART C. CERTIFICATION		explosive an officer for the numbers of this certification. All			
All applicants must complete the Certification Section. applicants must complete all applicable sections of For have completed and are submitting. By signing this ce all sections that apply to the facility for which this appli-	rtification statement, applic	ermine who is an officer for the purposes of this certification. All Application Overview. Indicate below which parts of Form 2A you ants confirm that they have reviewed Form 2A and have completed			
Indicate which parts of Form 2A you have complete	ed and are submitting:				
Basic Application Information packet	Supplemental Application				
Months of the Control		d Effluent Testing Data)			
		Festing: Biomonitoring Data)			
	Part F (Industria	User Discharges and RCRA/CERCLA Wastes)			
	Part G (Combine	ed Sewer Systems)			
	maganismus makangangan makangan kanangan kanangan kanangan kanangan kanangan kanangan kanangan kanangan kanang Kanangan kanangan ka				
ALL APPLICANTS MUST COMPLETE THE FOLLOW	MING CERTIFICATION.	mention assurant approximation and a superior and a superior approximation			
designed to comme that another Defsantial Hunghly U	anci and examere me une	ad under my direction or supervision in accordance with a system from the submitted. Based on my inquiry of the person or persons of the information is, to the best of my knowledge and es for submitting false information, including the possibility of fine experator of the person of			
Name and official tifle Tiche W. Cline Signature MASANT	- Class ILC	gohn W. Clino-Class I			
Telephone number / 13 / 3 0 1 T		And provided the state of the s			
Date signed <u>O9-06-</u>	The second secon	Rated 10-3-2014			
Upon request of the permitting authority, you must su works or identify appropriate permitting requirements.	bmit any other information	necessary to assess wastewater treatment practices at the treatment			

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER: Cardinal Village Form Approved 1/14/99 OMB Number 2040-0086 VPDES Permit No. VA0065196 BASIC APPLICATION INFORMATION PART C. CERTIFICATION All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted. Indicate which parts of Form 2A you have completed and are submitting: Supplemental Application Information packet: Basic Application Information packet Part D (Expanded Effluent Testing Data) Part E (Toxicity Testing: Biomonitoring Data) Part F (Industrial User Discharges and RCRA/CERCLA Wastes) Part G (Combined Sewer Systems) ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine - oconer/operator <u>Class It Operator/operator-in-charge</u> <u>Calker</u> <u>gohn W. Clino-Class</u> Opera and imprisonment for knowing violations. Upshur J. Taylor - owner/pperator Name and official title Signature Telephone number

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment

SEND COMPLETED FORMS TO:

works or identify appropriate permitting requirements.

Date signed

FACILITY NAI	ME AND PERMIT	NUMBER	:: Cardina	il Village
VPDES	Permit	No.	VA 0065	5196

SUPPLEMENTAL APPLICATION INFORMATION

PART D. EXPANDED EFFLUENT TESTING DATA

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Treatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall number:	(Coi	nplete c	nce for	each out	Ifall discharging effluent to waters of the United States.)						
POLLUTANT			JM DAIL HARGE	Y	A	VERAGI	DAILY	DISCH	ARGE		
	Conc.	Units		Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
METALS (TOTAL RECOVERABLE),	CYANIDE,	PHENO	LS, AND	HARDNE	SS.						
ANTIMONY											
ARSENIC											
BERYLLIUM											
CADMIUM											
CHROMIUM											
COPPER											
LEAD											
MERCURY											
NICKEL											
SELENIUM											
SILVER											
THALLIUM											
ZINC											
CYANIDE											
TOTAL PHENOLIC COMPOUNDS											
HARDNESS (AS CaCO ₃)											
Use this space (or a separate sheet) to	provide in	formation	on other	metals re	equested b	y the per	mit writer				
			elektrikan konsenski elektrika en e	da internativa de la compania de la							

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA0065196

Outfall number:(Complete once for each outfall discharging eff											
POLLUTANT		IAXIMU	JM DAIL'			·	DAILY				
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
VOLATILE ORGANIC COMPOUNDS.				·	-		povementine	Anna wymowiantowi	parassinara a sacinari anti-asamata f		
ACROLEIN											
ACRYLONITRILE											
BENZENE											
BROMOFORM											
CARBON TETRACHLORIDE											
CLOROBENZENE											
CHLORODIBROMO-METHANE											
CHLOROETHANE	ennesenski solikumisensk										
2-CHLORO-ETHYLVINYL ETHER	manuski Promobilano ne daselovač						erith and break and an inches				Options to a servey or countercase of extent in youth facility in the humbles only a column business.
CHLOROFORM											
DICHLOROBROMO-METHANE											
1,1-DICHLOROETHANE											
1,2-DICHLOROETHANE	Ad here will also be done may a begin or										
TRANS-1,2-DICHLORO-ETHYLENE								·			
1,1-DICHLOROETHYLENE							***************************************		:		
1,2-DICHLOROPROPANE		***************************************	***************************************								
1,3-DICHLORO-PROPYLENE	ent yek antonisk filming de i sakid ti		eden kinny (zarvyk) a kojije ji Kijinili maa								AND COMMENT OF THE PROPERTY OF
ETHYLBENZENE									maru en antico		
METHYL BROMIDE											
METHYL CHLORIDE				***************************************					delegani (kan est en garet) e elemente de la este en est en est en elemente en elemente en elemente en element	in a Marian (Control of Control o	ned a pinka de selekt et de en en en di Senero et le di limation and to à bas et d'a sel full a el Pro-Ant
METHYLENE CHLORIDE										ndor termezand draktimi esti immerili antiti a fluorita eti eti e seri pilare este mezer e E	akkunga haman ng carabagan kunang di nganggapang pagbahan di 1995 ilipada ini basabaha
1,1,2,2-TETRACHLORO-ETHANE											
TETRACHLORO-ETHYLENE											
TOLUENE				aki ya quanja anin'i da wasan					various seiven various materials (miles) est est		erte angele gertaf de l'avec de la receive

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA0065196

Outfall number:	(Comp	lete onc	e for eac	h outfall	dischar	ging efflu	ent to w	aters of	States.)		
POLLUTANT	N	AXIML DISCH	IM DAIL'	Υ	A۱	/ERAGE	DAILY	DISCH	ARGE		
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
1,1,1-TRICHLOROETHANE											
1,1,2-TRICHLOROETHANE											
TRICHLORETHYLENE											
VINYL CHLORIDE											
Use this space (or a separate sheet) to	provide in	formatio	n on other	volatile o	rganic cor	npounds	requested	d by the p	permit writer.		
ACID-EXTRACTABLE COMPOUNDS			·		ş	g		·			
P-CHLORO-M-CRESOL											
2-CHLOROPHENOL											
2,4-DICHLOROPHENOL											
2,4-DIMETHYLPHENOL											
4,6-DINITRO-O-CRESOL											
2,4-DINITROPHENOL											
2-NITROPHENOL											
4-NITROPHENOL										Mark Manager and a coloring a productive and a coloring a coloring and a coloring a col	
PENTACHLOROPHENOL										ika kan pikan muun pun kidik ny Proprias na napra maka sara saan saan saan	
PHENOL											
2,4,6-TRICHLOROPHENOL											
Use this space (or a separate sheet) to	provide in	formatior	on other	acid-extr	actable co	mpounds	requeste	d by the	permit writer.		
BASE-NEUTRAL COMPOUNDS.	-from-mark			penning gangiga manahinani	landa economica de la consecución de l	Barton et eller et en		Lacis on standard control	naint and White Hall Walk Annual Constitution of the Constitution	ina and distributed in a second limit of which is immediate thinks in the destribution as you may get and	o a and provide the reason of each of a decrease and a security of the conference of
ACENAPHTHENE											
ACENAPHTHYLENE											
ANTHRACENE											
BENZIDINE	-	***************************************	***************************************	***************************************					tick die er een wijs slyk je ee zoulgen en de jak bekende	alayaharida da saya da sana da da qara 1870 a 1860 a 1900 a a aya iyo ga sana aya ka aya da saya da saya ga sa	
BENZO(A)ANTHRACENE											
BENZO(A)PYRENE											

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Pemit No. VA0065196

Outfall number:	_ (Comp				dischare		ent to w		States.)		
POLLUTANT		DISC	IM DAIL' IARGE		Α\	/ERAGE	DAILY		ARGE		
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
3,4 BENZO-FLUORANTHENE											
BENZO(GHI)PERYLENE											
BENZO(K)FLUORANTHENE											
BIS (2-CHLOROETHOXY) METHANE											
BIS (2-CHLOROETHYL)-ETHER											
BIS (2-CHLOROISO-PROPYL) ETHER											
BIS (2-ETHYLHEXYL) PHTHALATE											
4-BROMOPHENYL PHENYL ETHER		ni saudinemi comen		anca-cas necessit wilder			witenga foetim kansulu folo si		walk may ki tank kanana Maran Aya da may kaka ka maka ka		
BUTYL BENZYL PHTHALATE		***************************************	and an interest of the second						and distributed in the second second purpose and distributed in the second second purpose and distributed in the second s		Militaria de de españo de vez de la composição de la comp
2-CHLORONAPHTHALENE											
4-CHLORPHENYL PHENYL ETHER											
CHRYSENE											utender (men en e
DI-N-BUTYL PHTHALATE											
DI-N-OCTYL PHTHALATE											
DIBENZO(A,H) ANTHRACENE											
1,2-DICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
3,3-DICHLOROBENZIDINE											
DIETHYL PHTHALATE	- meneraliyan beliali			a. negamikan jari Pari (Kul							AND PROSECULAR CONTRACTOR CONTRAC
DIMETHYL PHTHALATE											
2,4-DINITROTOLUENE											
2,6-DINITROTOLUENE		***************************************									
1,2-DIPHENYLHYDRAZINE	***************************************						erresida de la composita de la				e e e e e e e e e e e e e e e e e e e

Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA0065196

Outfall number:	all number: (Complete once for each outfall discharging effluent to waters of the United Sta							States.)	ates.)		
POLLUTANT	ı		JM DAIL HARGE	Y	A'	VERAGI	E DAILY	DISCH	ARGE		
	Conc.	Units		Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
FLUORANTHENE											
FLUORENE											
HEXACHLOROBENZENE											
HEXACHLOROBUTADIENE											
HEXACHLOROCYCLO- PENTADIENE											
HEXACHLOROETHANE											
INDENO(1,2,3-CD)PYRENE											
ISOPHORONE											
NAPHTHALENE											
NITROBENZENE										general kan	
N-NITROSODI-N-PROPYLAMINE											
N-NITROSODI- METHYLAMINE											
N-NITROSODI-PHENYLAMINE									учиция при в починову при в нему райну в нему в нему в		
PHENANTHRENE									acceptionalists in company and automatical and an	menter des en	
PYRENE											
1,2,4-TRICHLOROBENZENE		X.	***************************************								
Use this space (or a separate sheet) to	provide in	formatio	n on other	base-net	ıtral comp	ounds re	quested b	y the per	mit writer.	terre en	
«Минический менений менений и выдоля на должной должной постой постой поставления по поставления поставлений п В поставления поставления поставления поставления поставления поставления поставления поставления поставления		-FATTAM ML COLUMN	***************************************	***************************************						***************************************	
Use this space (or a separate sheet) to	provide in	formatio	n on other	pollutant	s (e.g., pe	sticides)	requested	by the p	ermit writer.		A

END OF PART D.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM
2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER: Cardinal Village Permit No. VA 0065196

SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods. If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.

complete.	x complete i dit i velei to die App	noution Overview of Chrodions of Will	on virth sections of the faint to								
E.1. Required Tests.											
Indicate the number of whole effluent toxicity tests conducted in the past four and one-half years.											
chronicacute											
E.2. Individual Test Data. Complete the following chart for each whole effluent toxicity test conducted in the last four and one-half years. Allow one column per test (where each species constitutes a test). Copy this page if more than three tests are being reported.											
osiaiiii por toot (misio saan apsais	Test number:	Test number:	Test number:								
a. Test information.											
Test species & test method number											
Age at initiation of test											
Outfall number											
Dates sample collected											
Date test started											
Duration											
b. Give toxicity test methods followe	ed.										
Manual title											
Edition number and year of publication											
Page number(s)											
c. Give the sample collection metho	od(s) used. For multiple grab sample	es, indicate the number of grab sample	s used.								
24-Hour composite											
Grab											
d. Indicate where the sample was to	aken in relation to disinfection. (Chec	ck all that apply for each)									
Before disinfection											
After disinfection											
After dechlorination											

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VACO65196

Form Approved 1/14/99 OMB Number 2040-0086

	Test number:	Test number:	Test number:				
e. Describe the point in the treatment process at which the sample was collected.							
Sample was collected:							
f. For each test, include whether the test was intended to assess chronic toxicity, acute toxicity, or both.							
Chronic toxicity							
Acute toxicity							
g. Provide the type of test performed.							
Static							
Static-renewal							
Flow-through							
h. Source of dilution water. If labor	ratory water, specify type; if receiving	y water, specify source.					
Laboratory water							
Receiving water							
i. Type of dilution water. It salt water	er, specify "natural" or type of artificia	al sea salts or brine used.					
Fresh water							
Salt water							
j. Give the percentage effluent used	d for all concentrations in the test ser	ies.	and the state of t				
k. Parameters measured during the	test. (State whether parameter mee	ets test method specifications)					
рН							
Salinity							
Temperature							
Ammonia	and the second s						
Dissolved oxygen							
I. Test Results.							
Acute:							
Percent survival in 100% effluent	%	%	%				
LC ₅₀							
95% C.I.	%	%	%				
Control percent survival	%	%	%				
Other (describe)							

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA0065196 Form Approved 1/14/99 OMB Number 2040-0086 Chronic: % NOEC % % % IC₂₅ % % % Control percent survival % % Other (describe) m. Quality Control/Quality Assurance. Is reference toxicant data available? Was reference toxicant test within acceptable bounds? What date was reference toxicant test run (MM/DD/YYYY)? Other (describe) E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? __Yes___No If yes, describe: E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. Date submitted: (MM/DD/YYYY) Summary of results: (see instructions)

END OF PART E.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM
2A YOU MUST COMPLETE.

FACILITY NAME AND PERMIT NUMBER: Carolinai Village VPDES Permit No. VA0065196

Form Approved 1/14/99 OMB Number 2040-0086

SUPPLEMENTAL APPLICATION INCO.	
SUPPLEMENTAL APPLICATION INFORMATION PART F. INDUSTRIAL HOSPING	
PART F. INDUSTRIAL USER DISCHARGES AND RC All treatment works receiving discharges from significant industrial complete Part F. GENERAL INFORMATION:	RA/CERCLA WASTES Which receive BCDs and a second se
GENERAL INFORMATION:	remedial wastes
F.1. Pretreatment Program. Does the treatment works have, or is it sut	
F.2. Number of Significant Industrial Users (SIUs) and Categorical In of industrial users that discharge to the treatment works.	ndustrial Users (CIUs). Provide the number of each of the following ty
Number of non-categorical SIUs. Number of CIUs.	
SIGNIFICANT INDUSTRIAL USER INFORMATION:	
Supply the following information for each cut, is	
Supply the following information for each SIU. If more than one SIU did provide the information requested for each SIU. 3.3. Significant Industrial User Information Provide the	scharges to the treatment works, copy questions E 2 4
3. Significant Industrial User Information. Provide the name and addresses as necessary. Name:	ess of each SIU discharging to the treatment works. Submit addition
rame.	Sabilit additional
Mailing Address:	
. Industrial Day	
industrial Processes. Describe all of the industrial processes that affe	
Principal Product(s) and Raw Material(s). Describe all of the principa discharge. Principal product(s):	
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s):	
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s): Flow Rate. a. Process wastewater flow rate. Indicate the average daily volume of principal per day (gpd) and whether the discharge is continuous or intermittent.	I processes and raw materials that affect or contribute to the SIU's
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s): Flow Rate. a. Process wastewater flow rate. Indicate the average daily volume of principal per day (gpd) and whether the discharge is continuous or intermittent. gpd	I processes and raw materials that affect or contribute to the SIU's
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s): Flow Rate. a. Process wastewater flow rate. Indicate the average daily volume of principal product(s): gpd (I processes and raw materials that affect or contribute to the SIU's
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s): Flow Rate. a. Process wastewater flow rate. Indicate the average daily volume of principal per day (gpd) and whether the discharge is continuous or intermittent. — gpd (continuous orintermittent) b. Non-process wastewater flow rate. Indicate the average daily volume a system in gallons per day (gpd) and whether the discharge is continuous or gpd (continuous or intermittent) Pretreatment Standards. Indicate whether the SILL is subject to the standards.	I processes and raw materials that affect or contribute to the SIU's rocess wastewater discharged into the collection system in gallons of non-process wastewater flow discharged into the collection us or intermittent.
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s): Flow Rate. a. Process wastewater flow rate. Indicate the average daily volume of principal per day (gpd) and whether the discharge is continuous or intermittent. gpd (continuous orintermittent) b. Non-process wastewater flow rate. Indicate the average daily volume of system in gallons per day (gpd) and whether the discharge is continuous or gpd (continuous or intermittent) Pretreatment Standards. Indicate whether the SIU is subject to the following the continuits.	I processes and raw materials that affect or contribute to the SIU's rocess wastewater discharged into the collection system in gallons of non-process wastewater flow discharged into the collection us or intermittent.
Principal Product(s) and Raw Material(s). Describe all of the principal discharge. Principal product(s): Raw material(s): Flow Rate. a. Process wastewater flow rate. Indicate the average daily volume of principal per day (gpd) and whether the discharge is continuous or intermittent. — gpd (continuous orintermittent) b. Non-process wastewater flow rate. Indicate the average daily volume a system in gallons per day (gpd) and whether the discharge is continuous or gpd (continuous or intermittent) Pretreatment Standards. Indicate whether the SILL is subject to the standards.	I processes and raw materials that affect or contribute to the SIU's rocess wastewater discharged into the collection system in gallons of non-process wastewater flow discharged into the collection us or intermittent.

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. VA 0065196

VPDES Pem	nit No. V	A0065196	Form Approved 1/14/99 OMB Number 2040-00
upsets, interference	reatment Works Attr e) at the treatment wo	ibuted to Waste Discharged by the	SIU. Has the SIU caused or contributed to any problems (e
YesNo	If yes, desc	ribe each episode.	(e
RCRA HAZARDOUE V			
E O DODAW	VASTE RECEIVED	BY TRUCK, RAIL, OR DEDICA	TED PIPELINE.
pipe? Yes	the treatment works	receive or has it in the past three year	TED PIPELINE: s received RCRA hazardous waste by truck, rail, or dedicat
	(go to F.12.)	Published year	s received RCRA hazardous waste by truck, rail, or dedicat
7.10. Waste Transport. A	Method by which RCB	RA waste is received (check all that ap	
Truck	Rail	on waste is received (check all that ap	ply):
		Dedicated Pipe	
.11. Waste Description.	Give EPA hazardous	waste number and amount (volume o	
EPA Hazardous Wast	<u>te Number</u>	Amount (volume o	or mass, specify units).
		Estiodit	<u>Units</u>
			-
RCLA (SUPERFUND)	WASTEWATER, I	RCRA REMEDIATION/CORRECT	
TION WASTEWATER	AND OTHER RE	RCRA REMEDIATION/CORREC MEDIAL ACTIVITY WASTEWATI	ΠVE
2. Remediation Wasto	Door that	THE ACTIVITY WAS IEWAT	<u> </u>
Voc. (asset to m	Does the treatment w	orks currently (or has it been notified	ER: that it will) receive waste from remedial activities?
res (complete F.	.13 through F.15.)	No	receive waste from remedial activities?
Provide a liet of air-			
a list of sites at	nd the requested info	rmation (F 13 - F 15) for and	
a tast of sites al	nd the requested info	rmation (F.13 - F.15.) for each current	and future eito
3. Waste Origin. Describ	nd the requested infor e the site and type of	rmation (F.13 - F.15.) for each current	and future eito
3. Waste Origin. Describ in the next five years).	nd the requested infor	rmation (F.13 - F.15.) for each current facility at which the CERCLA/RCRA/c	and future eito
3. Waste Origin. Describ in the next five years).	nd the requested infor	rmation (F.13 - F.15.) for each current facility at which the CERCLA/RCRA/o	and future eito
3. Waste Origin. Describ in the next five years).	nd the requested infor	rmation (F.13 - F.15.) for each current facility at which the CERCLA/RCRA/c	and future eito
3. Waste Origin. Describ in the next five years).	nd the requested infor	rmation (F.13 - F.15.) for each current facility at which the CERCLA/RCRA/c	and future eito
Waste Origin. Describ in the next five years).	e the site and type of	facility at which the CERCLA/RCRA/c	and future site. or other remedial waste originates (or is expected to originat
Waste Origin. Describ in the next five years).	e the site and type of	facility at which the CERCLA/RCRA/c	and future site. Fro other remedial waste originates (or is expected to originate)
Waste Origin. Describ in the next five years).	e the site and type of	facility at which the CERCLA/RCRA/c	and future site. Fro other remedial waste originates (or is expected to originate)
Waste Origin. Describ in the next five years).	e the site and type of	facility at which the CERCLA/RCRA/c	and future eito
Waste Origin. Describ in the next five years).	e the site and type of	facility at which the CERCLA/RCRA/c	and future site. or other remedial waste originates (or is expected to originat
Waste Origin. Describ in the next five years).	e the site and type of	facility at which the CERCLA/RCRA/c	and future site. or other remedial waste originates (or is expected to originat
in the next five years). Pollutants. List the haze known. (Attach additional)	e the site and type of	facility at which the CERCLA/RCRA/c	and future site. Fro other remedial waste originates (or is expected to originate)
Pollutants. List the haziknown. (Attach additional	e the site and type of ardous constituents tr al sheets if necessary)	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to originat
Pollutants. List the haze known. (Attach additional Waste Treatment. a. Is this waste treated (continued)	e the site and type of ardous constituents tr al sheets if necessary)	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to originat
Pollutants. List the haze known. (Attach additional Waste Treatment. a. Is this waste treated (compared to the property of th	e the site and type of ardous constituents the sheets if necessary) or will it be treated) pri	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to originat
Pollutants. List the haze known. (Attach additional Waste Treatment. a. Is this waste treated (compared to the property of th	e the site and type of ardous constituents the sheets if necessary) or will it be treated) pri	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to original
Pollutants. List the haze known. (Attach additional Waste Treatment. a. Is this waste treated (compared to the property of th	e the site and type of ardous constituents the sheets if necessary) or will it be treated) pri	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to original
Pollutants. List the haze known. (Attach additional Waste Treatment. a. Is this waste treated (compared to the property of th	e the site and type of ardous constituents the sheets if necessary) or will it be treated) pri	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to originat
Pollutants. List the haze known. (Attach additional Waste Treatment. a. Is this waste treated (compared to the property of th	e the site and type of ardous constituents the sheets if necessary) or will it be treated) pri	facility at which the CERCLA/RCRA/o	and future site. or other remedial waste originates (or is expected to originat
Waste Origin. Describe in the next five years). Pollutants. List the haze known. (Attach additional known. (Attach additional known.) Waste Treatment. a. Is this waste treated (of the incomplete in the incom	e the site and type of ardous constituents the sheets if necessary) or will it be treated) provide informations.	facility at which the CERCLA/RCRA/or at are received (or are expected to be a constant).	and future site. Fro other remedial waste originates (or is expected to originate)
Pollutants. List the haziknown. (Attach additional Waste Treatment. a. Is this waste treated (of yes, describe the treatment.) If yes, describe the treatment.	e the site and type of ardous constituents tr al sheets if necessary) or will it be treated) pri atment (provide inform	facility at which the CERCLA/RCRA/or facility at which the CERCLA/RCRA/or facility at which the CERCLA/RCRA/or facility at which the expected to be sometiment works? In the company of the treatment works? In the company of the treatment works?	and future site. or other remedial waste originates (or is expected to originat
Waste Origin. Describe in the next five years). Pollutants. List the haze known. (Attach additional known. (Attach additional known.) Waste Treatment. a. Is this waste treated (of the incomplete in the incom	e the site and type of ardous constituents the sheets if necessary) or will it be treated) provide informations.	nat are received (or are expected to be	and future site. or other remedial waste originates (or is expected to originate or other remedial waste originates). Include data on volume and concentration, if
Pollutants. List the haziknown. (Attach additional Waste Treatment. a. Is this waste treated (of yes, describe the treatment.) If yes, describe the treatment.	e the site and type of ardous constituents tr al sheets if necessary) or will it be treated) pri atment (provide inform	facility at which the CERCLA/RCRA/or facility at which the CERCLA/RCRA/or facility at which the CERCLA/RCRA/or facility at which the expected to be sometiment works? In the company of the treatment works? In the company of the treatment works?	and future site. or other remedial waste originates (or is expected to originate or other remedial waste originates). Include data on volume and concentration, if

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

VPDES Domit No. VADOG5196

VPDES Permit No. VA0065196	Form Approved 1/14/99 OMB Number 2040-008
SUPPLEMENTAL APPLICATION INFORMATION	
PART G. COMBINED SEWER SYSTEMS	
If the treatment works has a combined sewer system, complete Part G.	
G.1. System Map. Provide a man indication to C.1.	
3.1. System Map. Provide a map indicating the following: (may be included with Basic Application)	n Information)
a. All CSO discharge points.	
 Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies outstanding natural resource waters). Waters that compare the compare the compared to the compared the compared	shellfish beds, sensitive aquatic ecosystems.
 Waters that support threatened and endangered species potentially affected by CSOs. 	•
.2. System Diagram. Provide a diagram, either in the map provided in G.1. or on a separate dra that includes the following information:	wing, of the combined sewer collection system
a. Locations of major sewer trunk lines, both combined and separate sanitary.	•
b. Locations of points where separate sanitary sewers feed into the combined sewer system c. Locations of in-line and of the combined sewer system	
 Locations of in-line and off-line storage structures. 	
d. Locations of flow-regulating devices.	
e. Locations of pump stations.	
O OUTFALLS:	
nplete questions G.3 through G.6 once for each CSO discharge point.	
. Description of Outfall.	
a. Outfall number	
b. Location	
b. Location (City or town, if applicable)	(Zip Code)
b. Location (City or town, if applicable)	(Zip Code)
b. Location (City or town, if applicable) (County)	(Zip Code)
b. Location (City or town, if applicable) (County)	
b. Location (City or town, if applicable) (County)	
b. Location (City or town, if applicable) (County) (Latitude)	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable)	(State)
b. Location (City or town, if applicable) (County) (Latitude) (C. Distance from shore (if applicable) d. Depth below surface (if applicable)	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO polluterate	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO?	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations CSO frequency Receiving water quality	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations CSO frequency CSO flow volume Receiving water quality How many storm events were monitored during the last year?	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations CSO frequency CSO flow volume Receiving water quality How many storm events were monitored during the last year? SO Events.	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations CSO frequency CSO flow volume Receiving water quality f. How many storm events were monitored during the last year? SO Events.	(State)
b. Location (City or town, if applicable) (County) (Latitude) c. Distance from shore (if applicable) d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations CSO frequency CSO flow volume Receiving water quality f. How many storm events were monitored during the last year? SO Events.	(State)

FACILITY NAME AND PERMIT NUMBER: Cardinal Village VPDES Permit No. Form Approved 1/14/99 VA 0065 196 OMB Number 2040-0086 Give the average volume per CSO event. million gallons (_____ actual or _____ approx.) d. Give the minimum rainfall that caused a CSO event in the last year. _ inches of rainfall G.5. Description of Receiving Waters. a. Name of receiving water: b. Name of watershed/river/stream system:_____ United States Soil Conservation Service 14-digit watershed code (if known): c. Name of State Management/River Basin: United States Geological Survey 8-digit hydrologic cataloging unit code (if known): G.6. CSO Operations. Describe any known water quality impacts on the receiving water caused by this CSO (e.g., permanent or intermittent beach closings, permanent or intermittent shell fish bed closings, fish kills, fish advisories, other recreational loss, or violation of any applicable State water END OF PART G. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

VPDES Sewage Sludge Downit A. J.	
VPDES Sewage Sludge Permit Application for Permit I	Reissuance
that are applying for reissuance must complete and submit this application, Part 1 is general information to be provided by all facilities. Part 2 must be completed by all facilities that generate Class A or Class B biosolide that any latest the completed by all facilities that generate Class A or Class B biosolide that any latest that are latest any latest that are latest any latest that are latest any latest and latest are latest any latest any latest any latest are latest any latest any latest any latest any latest are latest any	discharge of treated sewage wastewa
Part 1 - Sludge Disposal Management (To be completed by all facilities) Facility Name:	
Facility Name: (coording to Vold	
Facility Name: Continal Village VPDES Permit No: Is severe obtained. VPDES Permit No:	VII de la companya del companya del companya de la
is sewage sludge from your facility.	VA 0065196
Is sewage sludge from your facility sent to another facility that provides treatment or blending? If you send sewage sludge to more than one facility, attach additional.	
Suipment off site is: 🔀 The primary most 1.	Yes ONo
a Danii	n)
D. Receiving Pacifity VPDES Permit No.	Large L. Mil
d. Receiving Pacifity's ultimate disposal method for any NO+ HUCL Cable	
d. Receiving Facility's ultimate disposal method for sewage studge It is run through tree. 2. Disposal in a Municipal Solid Waste Landfill Is sewage studge from your facility.	eatmentand
Is sewage sludge from your facility placed in a municipal solid waste landfill?	and the second street of the state of the second second second section for the second
If sewage sludge is placed on more than one municipal solid waste landfill? Landfilling is: The primary method of sludge disposal A back up method is to be a face of the primary method of sludge disposal.	LIYes KINO
Landfilling is: The primary method of sludge disposal A back up method of sludge disposal A back up method of sludge disposal	y. Est 140
Landin Name Land of studge disposal	•
b. Landfill Permit No.	
c. Include an acceptance letter from the landfill. Incineration	The second section of the sect
4 NOVE 2 SEE SEE SEE	**************************************
Is sewage sludge from your facility fired in a sewage sludge incinerator?	REPORTED
	口Yes 図No
a. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?	
If no, complete items had a second to the se	UYes UNo
If no, complete items b - d for each incinerator that you do not own or operate. b. Facility Name	
c. Air Registration No.	Stronger and the strong
d. Include an acceptance letter from the Incinerator.	Product Analist Analis
Cass & Masolids	Name of the state
Do you produce Class A biosolids for land application or distribution and marketing? If yes, complete Part 2.	***************************************
Are Class A biosolids from your facility land applied in bulk? Do you sell or give even Class A biosolids from your facility land applied in bulk?	and the second
Do you sell or give away Class A biosolids in a long or sell.	☐ Yes M No ☐ Yes M No
Do you sell or give away Class A biosolids in a bag or other container for application to the land? If yes, provide to the land?	Ll Yes 図No the Cl Yes 図No
Liuss B Biosolids	F3 179 K3 140
Do you produce Class B biosolids? If yes, complete Part 2.	
fre Class B biosolids from your facility land applied land applied land	□ Yes ⊠No
fre Class B biosolids from your facility land applied land applied under the authorization of this VPDES Permit? I complete Part 3.	Tyes, Tres No
THE PROPERTY OF THE PROPERTY O	72, 170, 152, 140
ous olds from your facility land applied and applied applied applied and applied appli	CUCANAGETY
iosolids are land applied under the authorization of a DVPA permit other than your VPDES Permit? Omplete items a - c for each VPA permit authorized to lead a lead	口Yes 图No
omplete items a - c for each VPA permit authorized to land apply biosolids from your facility.	State
	466mm 200 200s
b. Pernit No.	The state of the s
Include copy of any information you provide to the Receiving VPDES or VPA Permittee to comply with the "new Property of the	
Transfer of FVACCD-51-530 F.	otice and necessary

VPDES Sewage Sludge Permit Application for Permit I	xeissuance
WHO MUST SUBMIT THE APPLICATION - All facilities with a current VPDES Permit that authorizes the that are applying for reissuance must complete and submit this application. Part 1 is general information to be provided by all facilities. Part 2 must be completed by all facilities that generate Class A or Class B biosolids that are land applied. Part 1 Studge Discourse and applied.	discharge of treated sewage wastewa
Part 1 – Sludge Disposal Management (To be completed by all facilities)	
racilly Name:	
1. Shipment Off Site for Treatment or Blending	VA 0065196
Is sewage sludge from your facility sent to another facility	
Is sewage sludge from your facility sent to another facility that provides treatment or blending? If you send sewage sludge to more than one facility, attach additional sheets as necessary.	□Yes ☑No
Shipment off site is: The primary method of sludge disposal A back up method of sludge disposal	
a. Receiving Facility Name	sal
b. Receiving Facility VPDES Permit No.	
c. Include an acceptance letter from the Receiving Facility	
d. Receiving Facility's ultimate disposal method for sewage sludge	
Disposal in a Municipal Solid Waste Landfill	
is sewage sludge from your facility placed in a municipal and	
and the stange is placed on more than one municipal and the	☐ Yes ☑ No
Landfilling is: The primary method of sludge disposal A back up method of sludge disposal	ary.
a. Landfill Name	
b. Landfill Permit No.	
c. Include an acceptance letter from the landfill.	
Incineration	
Is sewage sludge from your facility fired in a sewage sludge incinerator?	
AMOUNDIGHTH IN THE PROPERTY OF	☐ Yes ☑ No
a. Do you own or operate all sewage sludge inciparates:	2 110
a. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired If yes, provide the Air Registration No.	? Yes No
If no, complete items b - d for each incinerator that you do not own or operate.	Manual A 10
b. Facility Name	
c. Air Registration No.	
d. Include an acceptance letter from the Incinerator.	
Class A Biosolids	
Do you produce Class A biosolids for land application or distribution and marketing? If yes, complete Part 2. Are Class A biosolids from your facility land applied in hall 9.	
	☐ Yes 🗷 No
Do you sell or give away Class A biosolids in a bag or other contains a	☐ Yes ⊠ No
	de the Yes No
Class B Biosolids	
Do you produce Class B biosolids? If yes, complete Part 2.	
Are Class B biosolids from your facility land applied land applied under the authorization of this VPDES Permi complete Part 3.	☐ Yes ☒ No
complete Part 3. Supplies ander the authorization of this VPDES Permi	t? If yes, Yes No
Land Application Under a Separate Permit	
Are biosolids from your facility land applied under the outback of the contract of the contrac	
Biosolids are land applied under the authorization of a VPA permit Another VPDES Permit Out	
Political Calling (Virt) to land apply his 11 1 o	of State

b. Permit No.	
 Include copy of any information you provide to the Receiving VPDES or VPA Permittee to comply with the information" requirement of 9VAC25-31-530 F. 	

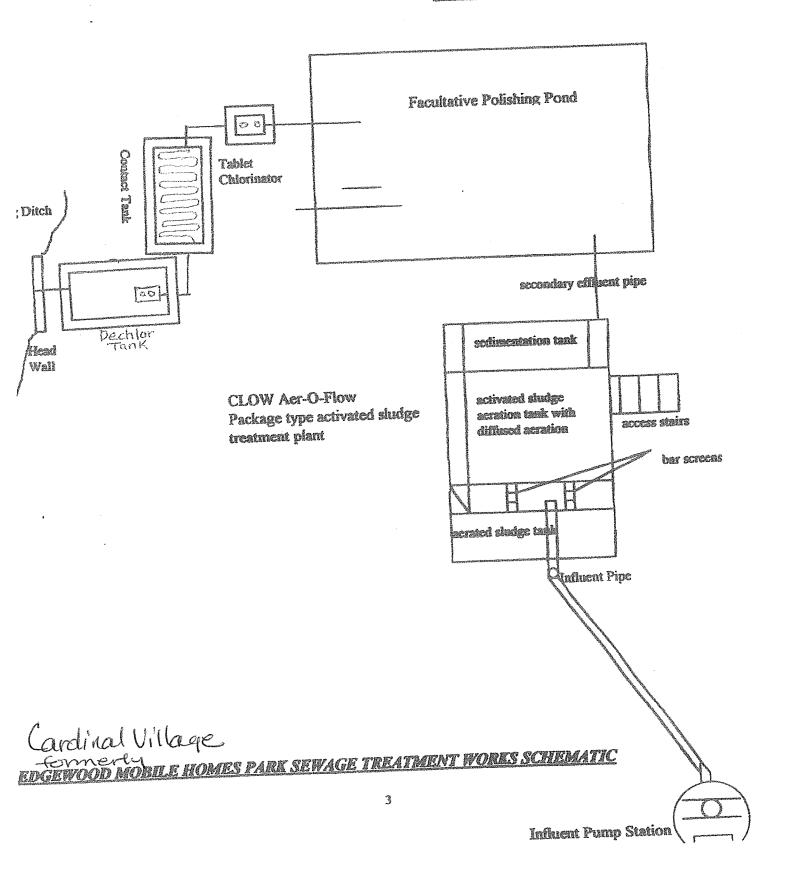
	VPDES Sewage Sludge Permit Application for Permit Reissuance
LF	art 2 – Biosolids Characterization (To be completed by all facilities that generate biosolids that are land applied.)
1.	Have there been changes to sludge treatment processes and a state of the state of t
2.	Have there been changes to sludge treatment processes or storage facilities since the previous permit issuance/reissuance? Do the biosolids generated under this permit that will be land applied meet one of the Class A pathogen requirements in 9VAC25-31-710 A 3 through A 8 or Class B pathogen requirements in 9VAC25-31-710 B 1 through B 4? Identify the pathogen reduction option utilized to demonstrate compliance with the pathogen reductions requirements and provide the data
3.	Do the biosolids generated under this permit that will be land applied meet one of the vector attraction reduction requirements in 9VAC25-31-720 B 1 through B 10?
	Identify the vector attraction reduction option utilized to demonstrate compliance with the vector attraction reductions requirements and provide the data that demonstrate compliance with the applicable alternative.
4.	Do the biosolids to be land applied meet the ceiling/pollytest
	Has data from the most recent 3 samples for pH (S.U.), Percent Solids (%), Ammonium Nitrogen (mg/kg), Nitrate Nitrogen (mg/kg), Total Kjeldahl Nitrogen (mg/kg), Total Phosphorus (mg/kg), Total Potassium (mg/kg), Alkalinity as CaCO ₃ (mg/kg), Zinc (mg/kg), Cadmium (mg/kg), Copper (mg/kg), Lead (mg/kg), Mercury (mg/kg), Nickel (mg/kg), Selenium shall be at least 1 month apart.
Name of the least	If no, provide the data with this application
Pai	t 3 - Land Application of Class B Biosolids (To be completed by the comple
3	esponsibility shall be provided in accordance with 9VAC25 1, 100 P.2.
2. j	For each site, provide a properly completed landowner agreement for each landowner, using the most current Land Application Agreement -
3. ∄	are any new land application fields proposed at this reissuance?
1	i yes, contact the DEQ Regional Office for additional submittal requirements
. F	or the currently permitted land application fields, are the previously submitted site booklets, maps and acreage accurate. Yes No
I	no, contact the DEQ Regional Office for additional submittal requirements.
. D	oes the facility's Biosolids Management Plan on file with DEQ include the following minimum information?
	a. An odor control plan that addresses the abstract of the spectage of the spe
	 a. An odor control plan that addresses the abatement of odors resulting from the storage and/or land application of biosolids. b. A description of the transport vehicles to be used.
	c. Procedures for biosolids offloading at the land application site including spill prevention, cleanup (including vehicle cleaning), field reclamation, and emergency notification and cleanup measures.
	d. A description of the land application equipment including procedures for calibrating equipment to ensure uniform distribution and
	c. Procedures used to ensure that land applications at the
	operation limitations during periods of inclement weather, soil pH requirements, buffer zone requirements, and site restrictions, f. Any other information necessary to ensure compliance with the requirements of the Biosolids Program of the VPDES Permit Regulation (9VAC25-31-420 through 720).
erti	lication
1V 111	y under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system anage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and prisonment for knowing violations.
	Name and Official Title John W. Cline / Class IT operator - operator-in-charge
	Signature Unglew O. Take Oshwild Cline - Margatio
	Telephone number / Email (157) 894 - 1999 / UDShur to 1000 100 local rest
	Date signed 09-06-2014 Openur tay lora icloud, com 0938
ed o	
	n a review of this information, it may be necessary to submit additional information to meet other legal or technical review requirements.)

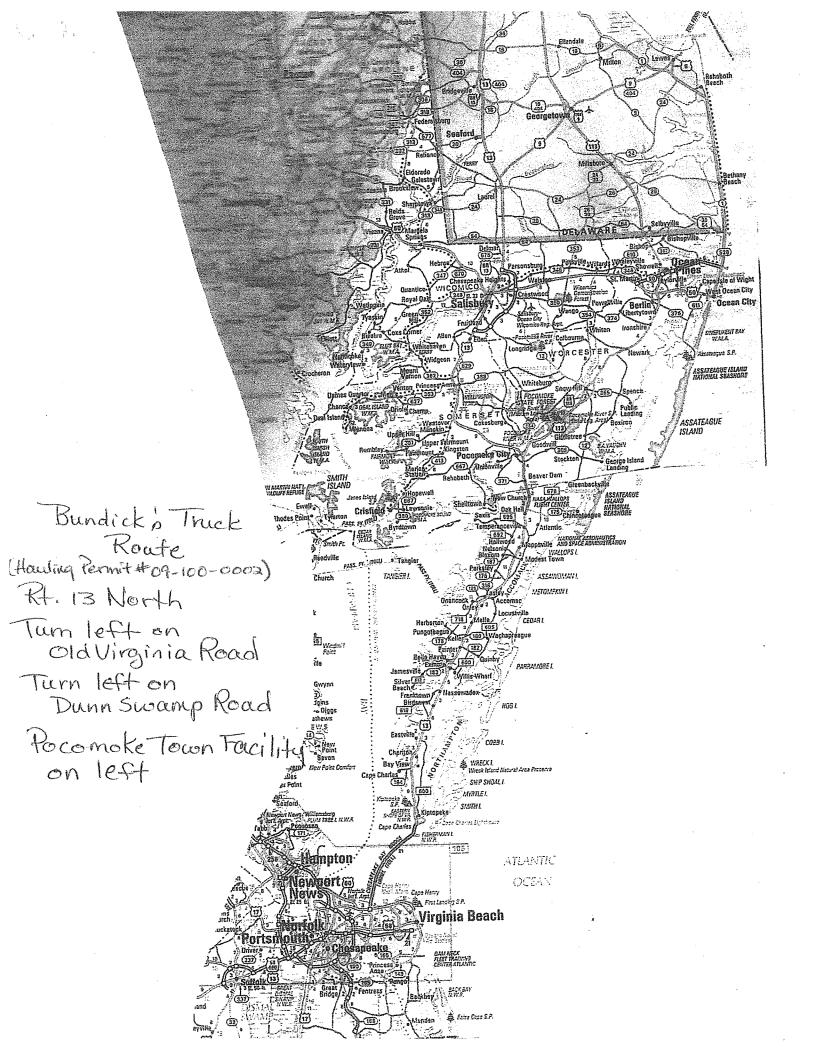
Facility Name And Permit Number Cardinal Village VA 0065196

Re: Page 3, #6 - Narrative Description of Sludge Process

This facility has a package plant which is a wasteunter treatment facility that collects the sludge, stores the sludge, and treats the sludge all-in-one. It utilizes the "extended areation treatment" process. Other treatment processes include: a polishing pond, a chlorination contact tank, and a dechlorination tank. The purpose of this equipment is to treat all sewage or water-bome waste generated by the mobile home park.

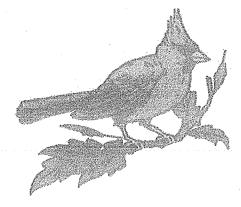
VPDES NO: VA0065196





VPDES Permit Application Addendum

Who v	will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may the facility or property owner.
2. Is	this facility located within city or town boundaries? Yes No 🛛
3. Pr	ovide the tax map parcel number for the land where the discharge is located. 02700A 0000/2
4. F o	rethe facility to be covered by this permit, how many acres will be disturbed during the next tears due to new construction activities?
	hat is the design average effluent flow of this facility? MGD r industrial facilities, provide the max. 30-day average production level, include units:
ot!	addition to the design flow or production level, should the permit be written with limits for any her discharge flow tiers or production levels? Yes No \(\subseteq \) No \(\subseteq \) "Yes", please identify the other flow tiers (in MGD) or production levels:
	consider the following questions for both the flow tiers and the production levels (if applicable): Do you plan to doperations during the next five years? Is your facility's design flow considerably greater than your current flow?
6. Na	House holds
10	
·	imber of private residences to be served by the treatment works:
***************************************	% of flow from non-domestic connections/sources
7. M	ode of discharge:
	entify the characteristics of the receiving stream at the point just above the facility's scharge point:
_\	Permanent stream, never dry
********	Intermittent stream, usually flowing, sometimes dry
	Ephemeral stream, wet-weather flow, often dry
	Effluent-dependent stream, usually or always dry without effluent flow
-	Lake or pond at or below the discharge point Other:
0	Sludge/Solids Management Plan We there been any changes in your operations or procedures since the above approval dates? Yes No No



Upshur Taylor 5021 Holland Road New Church, VA 23415 Phone (757) 824-5989 Cell (757) 894-1999

October 3, 2014

The Closure Plan for Cardinal Village is current and correct.

Upshur Owner

CARDINAL VILLAGE

WASTEWATER TREATMENT PLANT

CLOSURE PLAN

TABLE OF CONTENTS

			Page
1.0	Intro	duction	1
2.0	Facil	1	
3.0	Clos	ture Plan	1
		Tank cleaning Demolition and final disposal Site handling and land use after sale of plant	1 1 2
4.0	Cert	ification	2
5.0	Cost	t Estimate	2
6.0	Hau	2	
Atta	chmer	nts	

- Bundick Well & Pump Service Letter Sludge Hauling Route Benny C. Hall & Son Service Letter 1.
- 2.
- 3.

1.0 INTRODUCTION

Cardinal Village Mobile Home Park is located in Accomack County, Virginia, owned by Mr. Upshur J. Taylor. In accordance with the VPDES Permit Renewal requirements this plan has been prepared to provide specific direction related to the closure of the Wastewater Treatment Plant and the current estimated costs associated with the closure. Upon completion of this plan, the area formally occupied by the wastewater plant will become an open grass covered green area.

2.0 FACILITY DESCRIPTION

The plant is described as a 6000-gpd secondary treatment package plant with chlorination and dechlorination. It operates under VPDES Permit No. VA0065196, discharging into an unnamned ditch to Tunnels Mill Branch which flows to Bullbeggar Creek and then to the Chesapeake Bay. The plant is a self-contained metal unit.

3.0 CLOSURE PLAN

In the event of a closure of this plant the owner intends to hire a licensed contractor to complete this plan. The contractor will be responsible for all tasks associated with the plan and for obtaining all permits from Accomack County as required.

3.1 Tank Cleaning

All liquids and solids will be removed by means of a septic tank pump truck and disposed Of at Pocomoke Town Facility, Pocomoke City, Md. (See attached letter) (Permit # 09-100-0002) will perform this task.

All surfaces will be high pressure

washed and disinfected with a spray on solution of sodium hypochlorite at 200 PPM. Following disinfection all surfaces and equipment will be washed down with potable water. Rinse water will be dechlorinated with a Sodium Bisulfate Solution and disposed of in the sanitary sewer.

3.2 Demolition and Final Disposal

After tank cleaning, influent & effluent pipes will be physically disconnected and capped. All mechanical and electrical equipment and accessories will be removed and properly disposed of. The metal structure which is the plant will then be cut in to scrap and disposed of properly. The excavated site will then be backfilled with sand fill and capped with 3" of top soil.

3.3 Site Handling and Land Use After Closure

Preceding any land disturbance, erosion and sediment control measures will be implemented as required. After tank removal, the tank site will be back-filled with sand fill and top soil. The polishing pond will be filled in to grade as required with sand fill and top soil. The entire area will be brought to the existing predominant grade of the surrounding area with the Contractor ensuring that no ponding of water can occur on the site after final grade is established. The site will be seeded with a blend of fescue and rye grasses at an application rate of 150 pounds per acre and covered with straw.

4.0 CERTIFICATION

Upon completion of the closure, the owner or his designated representative shall verify the work was completed in accordance with the plan and provide written verification to both the Virginia Department of Health and Department of Environmental Quality.

5.0 COST ESTIMATE

It is estimated that to complete this plan at the time of its preparation will cost the owner \$5,510.00. This estimate includes \$1310.00 to Bundick Well & Pump Co. to clean, disinfect, and dispose remaining liquids and \$4,200.00 to Benny C. Hall & Son for excavation and burial of pump station and package plant, filling pond, grading to existing ground level, and seeding.

6.0 HAULING ROUTE

From Cutler's Court Road travel north on Route 13 and turn left on Old Virginia Road and turn left on Dunn Swamp Road and turn left into Pocomoke Town Facility, Pocomoke City, Md.

Bundick Well & Pump Company

P.O. Box 15 Painter, VA 23420

To: Upshur J. Taylor

re: Cardinal Village Mobile Home Park

From: Bundick Well & Pump Company

P.O.Box 15 Painter, VA 23420

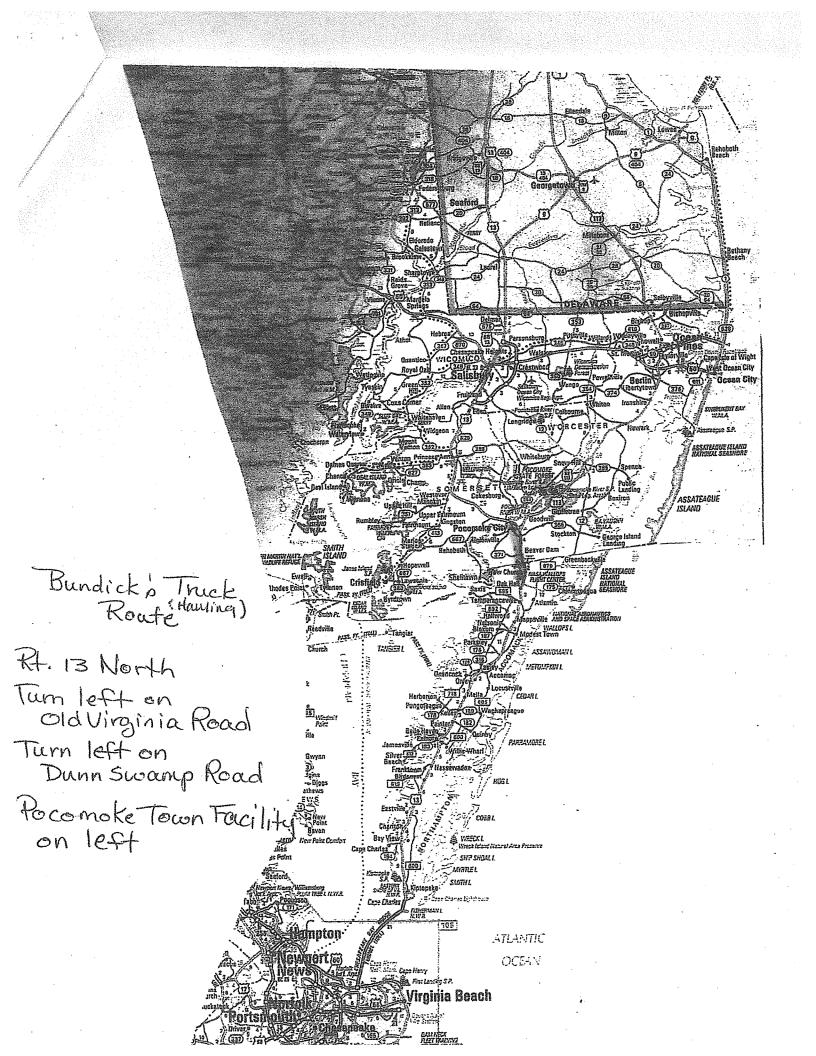
Bundick Well and Pump Company (Permit No. 09-100-0002) agrees to pump Cardinal Village and haul waste to the Pocomoke Town Facility located on Dunn Swamp Road, Pocomoke City, Md.

Waste Sludge is placed in a sludge holding tank until the tank is full. Waste tank is then emptied by our pumper truck at the rate of \$160.00 per 2000 gallon truck load. Sludge is taken to Pocomoke Town Facility, Pocomoke City, Md. For final disposal.

To properly clean, disinfect & dispose of remaining liquids of the pump station and package treatment plant the cost would be \$1,150.00.

If you have any questions please feel free to call 757-442-5555 or 757-824-3555.

Sincerely Bundick Well & Pump Co.



BENNY C. HALL & SON 8013 LONG LANE TEMPERANCEVILLE, VA 23442

To: Upshur J. Taylor

Cardinal Village Mobile Home Park

Re: Cost Estimate

The estimated cost for excavator work will be at the rate of \$200.00 per hour for 16 hours for a total of \$3,200.00. This will be for extracting pump station and package treatment plant and burial of the same using the existing berm that surrounds the pond which is approximately 5 1/2 - 6 feet in height and approximately 30 feet wide on a taper. This will be more than enough to fill the pond back in and the holes where the treatment package plant and lift station are located. For leveling to existing grade and reseeding the cost would be \$1000.00. Total bill \$4,200.00.



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

Fax: 804-698-4019 - TDD (804) 698-4021

www.deq.virginia.gov

David K. Paylor Director

(804) 698-4020 1-800-592-5482

March 28, 2014

Mr. Upshur J. Taylor Cardinal Village Mobile Home Park 5021 Holland Road New Church, Virginia 23415

RE: Financial Capability Demonstration for Cardinal Village Mobile Home Park

VPDES Permit Number VA0065196

Dear Mr. Taylor:

Molly Joseph Ward

Secretary of Natural Resources

The Virginia Department of Environmental Quality (the Department), Office of Financial Responsibility Programs and Data Management, conducted a review of the financial capability files for this facility. Our files indicate that Cardinal Village Mobile Home Park should have updated its financial capability mechanism for the above-referenced facility by **January 25**, **2014**. The Virginia Closure Plans and Demonstration of Financial Capability Regulation (the Regulation), 9 VAC 25-650 requires an owner or operator of a privately owned sewerage system to adjust the closure cost estimate annually for inflation, increase the amount of the financial capability mechanism to the adjusted cost estimate, and submit the updated financial capability mechanism to the Department.

The closure cost estimate is adjusted by multiplying the current cost estimate by the current year's inflation factor. Below you will find the closure calculation for adjusting the 2014 cost estimate for inflation:

\$5,980 (2013 cost estimate) x 1.014 (2014 inflation factor) = \$6,064 (2014 cost estimate)

The letter of credit currently on file for financial capability should be increased to the amount of the 2014 cost estimate shown above. Please send the original, signed letter of credit amendment to the Department. Documentation should be mailed to my attention at: Virginia Department of Environmental Quality/5th Floor, Office of Financial Responsibility Programs and Data Management, 629 East Main Street, Richmond, VA 23219 on or before **April 21, 2014**

If you have any questions regarding the financial capability requirements, please contact me at (804) 698-4205 (toll free in Virginia 800-592-5482 ext. 4205) or via email at josiah.bennett@deq.virginia.gov. Thank you for your time and consideration in this matter.

Sincerely

Josiah Q. Bennett

Office of Financial Responsibility Programs & Data

Management

To: PNC Bank, National Association 500 First Avenue, 2nd Floor P7-PFSC-02-T Pittsburgh, PA 15219



Application for Amendment To Standby Letter of Credit

Letter of Credit Number	18107235			D-+-	0/10/2014
. acted of cheart (validation)		e des recollères (no. 16 a 17 a 1 de seu les les les les des perspéries de l'éche de l'éche de celle de celle		Date	9/10/2014
3. Current Amount of Letter of Credi	t \$6,000.00		The state of the s		
4. Applicant Upshur J. Taylor				Applica	nt NAME ONLY
5. Beneficiary				Benefici	ary NAMEONLY
6. Current Expiry	1/25/2015		ecc.	•	
The following amendment(s) to t	he above-men	tioned Letter of 0	Credit are requested:		M ATTACA STANISH AND
7. Credit Amount to be <u>Increased</u> by:	\$200.00	Application of the state of the			
8. Credit Amount to be <u>Decreased</u> by	/: L				
Note: The beneficiary's writt written consent should be ol Note below).	en consent is btained in ad	required for a vance and atta	decrease. Accordingly, tached to this Application	the benefi for Amen	ciary's dment (See
9. Amend Expiration Date to:	1/25/2016	Malional de Latin Additional de Latin d	Check this box if Auto Extend p	rovision shou	ıld remain in force.
10. Other (Please Specify other changes to the Letter of Credit)	tter of Credit will 25/2016	be increased from	n \$6,000 to \$6,200. Expiration da	ite will move	out one year to
Except as amended hereby, t	the terms and	conditions of t	he Letter of Credit will rem	ain in full f	orce and effect.
11. Obligor Name	Upshur J. Tay	Tor	7. Tala)		
in amendment to a letter of credit seffective when the beneficiary consents to it. However, if the	Signed By Printed Name Title	Upshui	I, Taylor		
written consent will not be	Phone Number	757	Extension Fax N	lumber [
Form 19F - Multistate Rev. 09/2012	EMail U	shur to	xylor@om	ail. c	COM